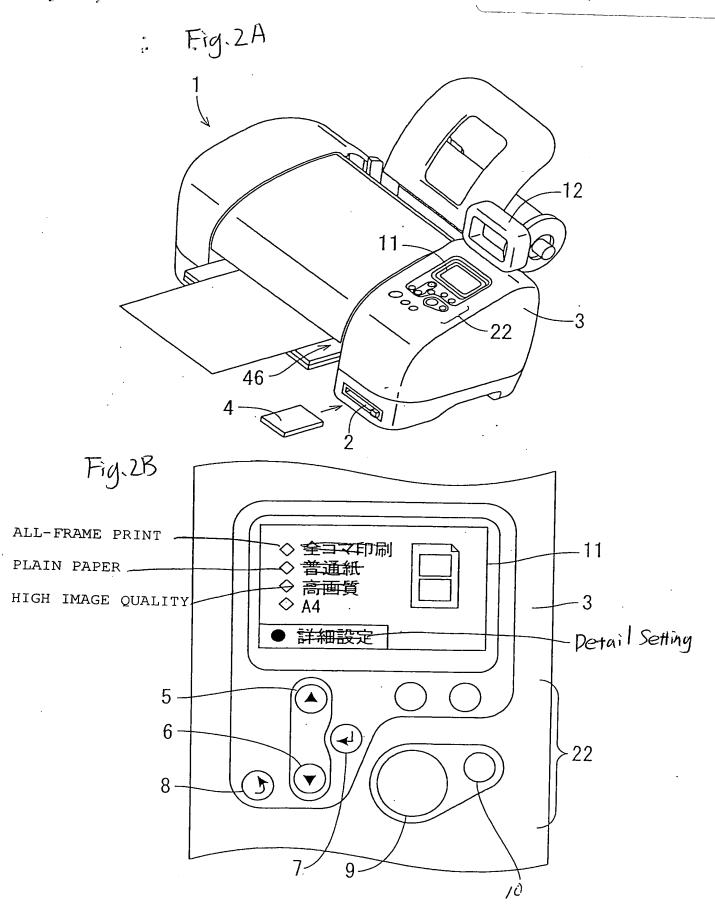
Darryl Mexic 202-293-7060 September 12, 2003 l of 13 Application No. 10/660,735 OTPE A Jul JUL 2 9 2004 All-Frame Print 11 全日マ印刷 Plain Paper High Image quality 普通紙 高画質 Detail Setting A 4 3 詳細設定 5 7 10 6 لم 8 9 Fig. 1B Image Print Paper. Fig.1C 12

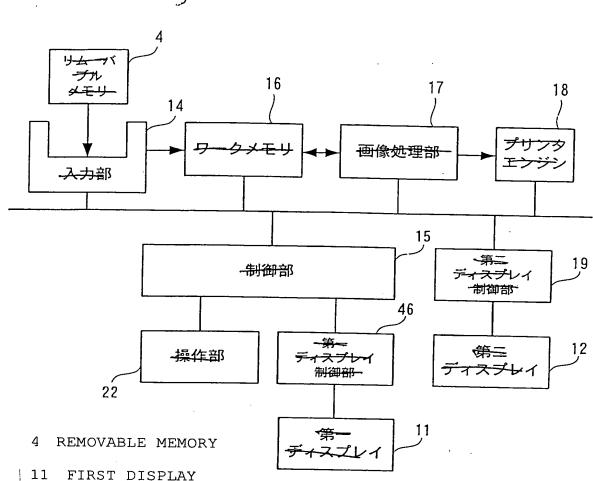
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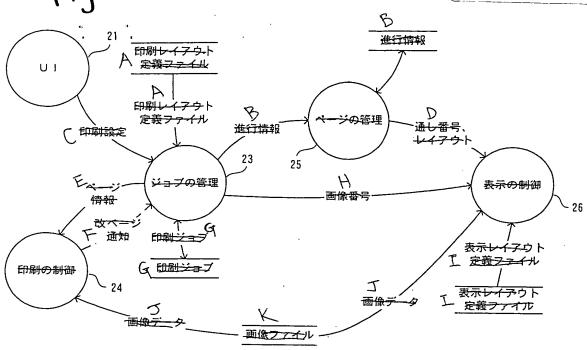
Fig.3



- 12 SECOND DISPLAY
- 14 INPUT SECTION
- 15 CONTROL SECTION
- WORK MEMORY 16
- 17 IMAGE PROCESSING SECTION
- 18 PRINTER ENGINE
- 19 SECOND DISPLAY CONTROL SECTION
- 22 OPERATION SECTION
- FIRST DISPLAY CONTROL SECTION

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Fig.4



- 23 JOB MANAGEMENT
- 24 PRINT CONTROL
- 25 PAGE MANAGEMENT
- 26 DISPLAY CONTROL
- A. PRINT LAYOUT DEFINITION FILE
- **B. PROGRESS INFORMATION**
- C. PRINT SETTING

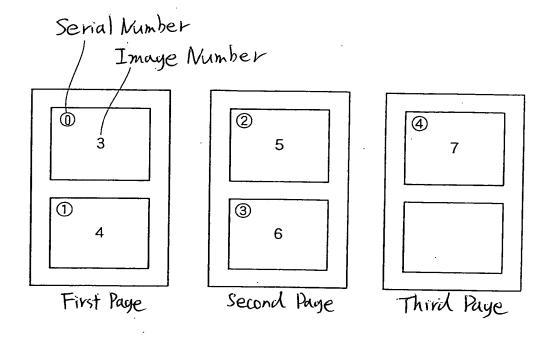
- D. SERIAL NUMBER, LAYOUT
- E. PAGE INFORMATION
- F. PAGE BREAK NOTIFICATION
- G. PRINT JOB
- H. IMAGE NUMBER
- I. DISPLAY LAYOUT DEFINITION FILE
- J. IMAGE DATA
- K. IMAGE FILE

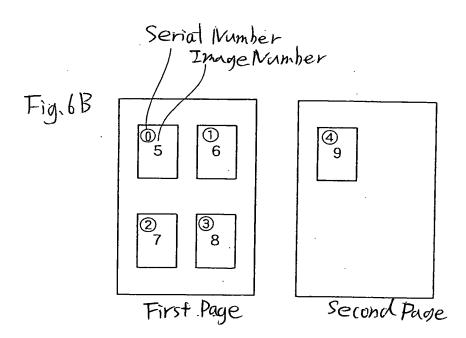
Fig. 5

4	ω	2	NUMBER 1	SERIAL 0	LAYOUT	NUMBER OF PRINT SHEETS	PRINT IMAGE QUALITY	CONDITION PAPER SIZE	PRINT PAPER QUALITY	VARIABLE	
7 (IMAGE NUMBER)	6 (IMAGE NUMBER)	5 (IMAGE NUMBER)	4 (IMAGE NUMBER)	3 (IMAGE NUMBER)	TWO FRAMES	INT SHEETS 1	UALITY HIGH	A4	PLAIN PAPER	SETUP VALUE	

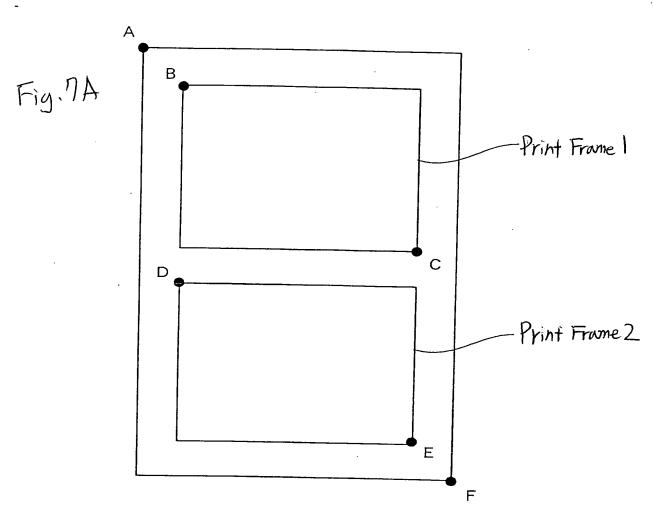
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Fig. 6A.

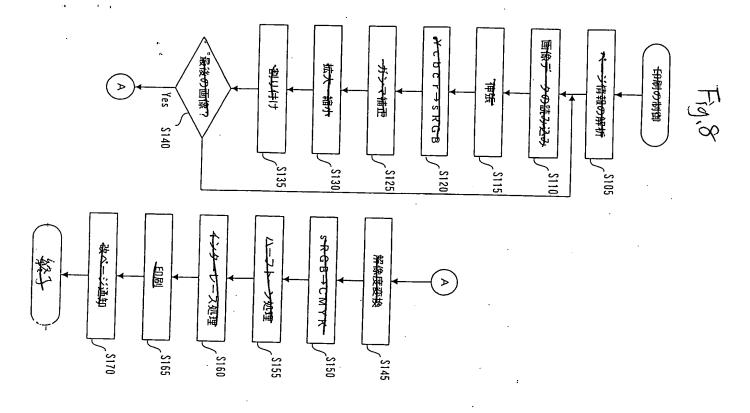




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Number of Frames	Variable 		jetup Value
	変数	設定値	]
Fig.7B	种数	2	
_	А	(0, 0)	
	В	(χ <sub>B</sub> , y <sub>B</sub> )	
	С	(χ <sub>C</sub> , y <sub>C</sub> )	
	D	$(\chi_D, y_D)$	
	E	(χ <sub>E</sub> , y <sub>E</sub> )	•
	F	(χ <sub>F</sub> , y <sub>F</sub> )	



PRINT CONTROL

S105 ANALYZE PAGE INFORMATION

S110 READ IMAGE DATA

S115 DECOMPRESS

S120 Ycbcr → sRGB

PERFORM GAMMA CORRECTION

S125

S130 SCALE UP OR DOWN

S135 ASSIGN

S140 LAST IMAGE?

S145 CONVERT RESOLUTION

S150

 $sRGB \rightarrow CMYK$ 

PERFORM HALFTONE PROCESSING

PERFORM INTERLACE PROCESSING

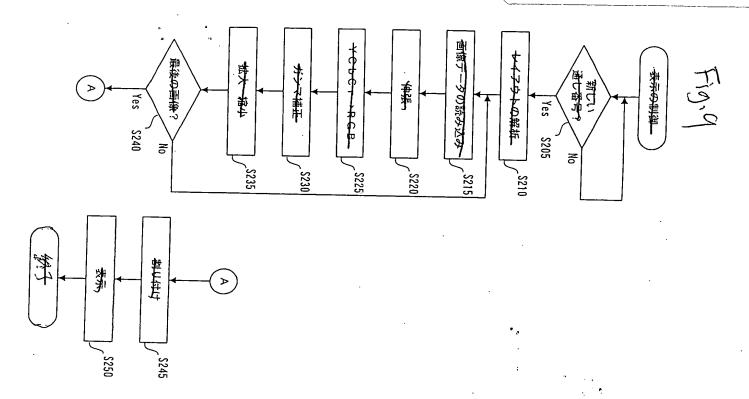
S165 PRINT S160 S155

SEND PAGE BREAK

END NOTIFICATION

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DISPLAY CONTROL

S205 NEW SERIAL NUMBER?

S215 S210 ANALYZE LAYOUT READ IMAGE DATA

DECOMPRESS

 $YCbCr \rightarrow RGB$ 

PERFORM GAMMA CORRECTION

SCALE UP OR DOWN

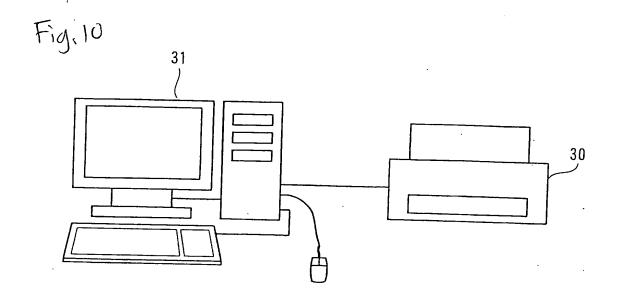
LAST IMAGE?

S240 S235 S230 S225 S220

ASSIGN DISPLAY

END

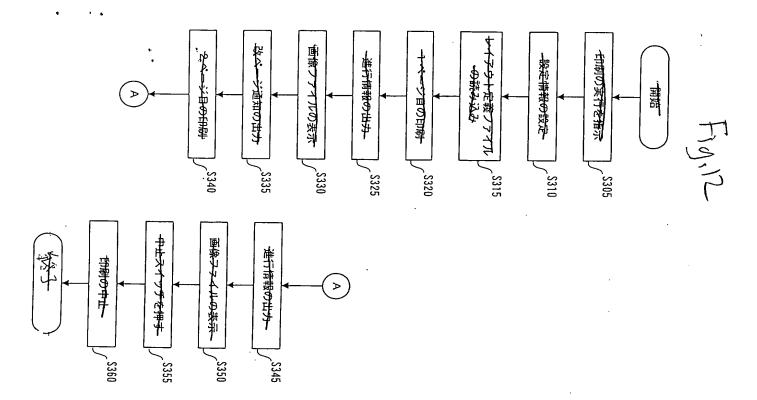
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## BEST AVAILABLE COPY

45 40 39 ა 8  $\omega$ 32 REMOVABLE MEMORY WORK MEMORY THIRD DISPLAY CONTROL SECTION CONTROL SECTION INPUT SECTION OPERATION SECTION THIRD DISPLAY PRINTER ENGINE 雪雪 30 ယ 43 щ 引生 36  $\mathbf{z}$ O ≤  $\mathbf{z}$ ၾ  $\circ$  $\triangleright$ ס ≤ 37  $\subset$ 操作串 ၓ္ထ 42 エ O

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START

S355 S350 S345 S340 S335 S330 S325 S320 S315 S310 END CANCEL PRINT PRESS CANCEL SWITCH SET SETTING INFORMATION OUTPUT PROGRESS INFORMATION GIVE PRINT EXECUTION COMMAND PRINT SECOND PAGE OUTPUT PAGE BREAK NOTIFICATION PRINT FIRST PAGE READ LAYOUT DEFINITION FILE DISPLAY IMAGE FILE OUTPUT PROGRESS INFORMATION DISPLAY IMAGE FILE

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· Fig. B

